OIPE
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Fig. 1
(PRIOR ART)

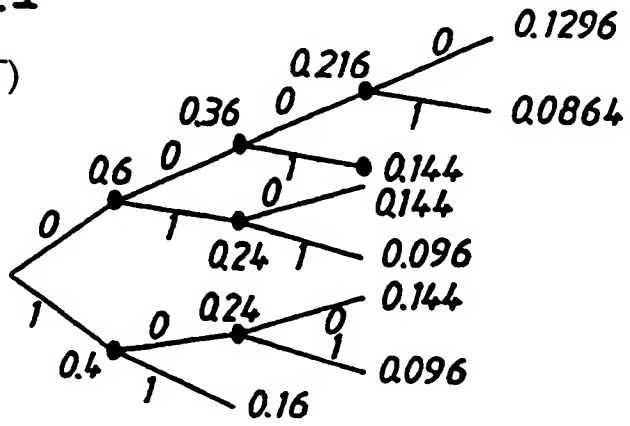

Fig. 2
(PRIOR ART)

Symbol sequences	Codeword	Codeword binary form
0000	1	001
0001	2	010
001	3	011
010	4	100
011	5	101
100	6	110
101	7	111
11	8	000

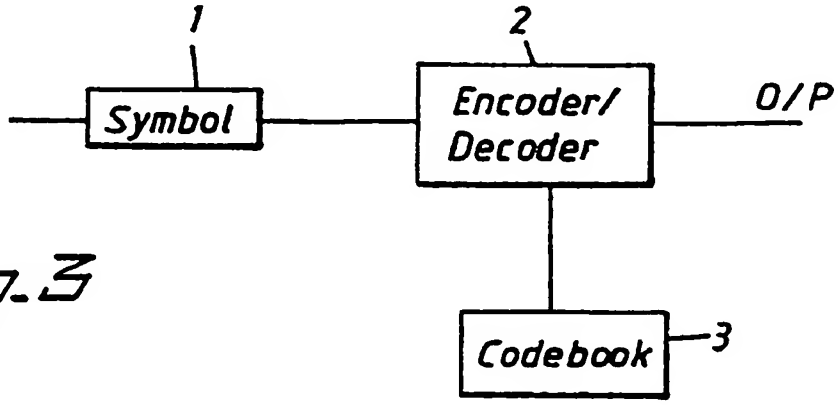

Fig. 3

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Fig. 4a

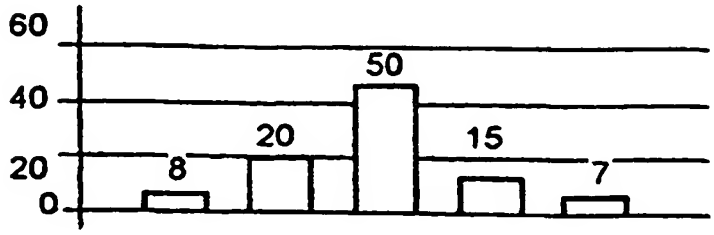


Fig. 4b

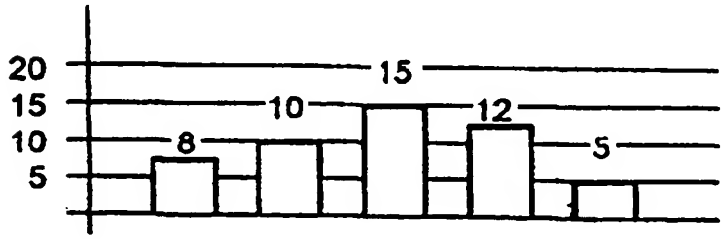


Fig. 4c

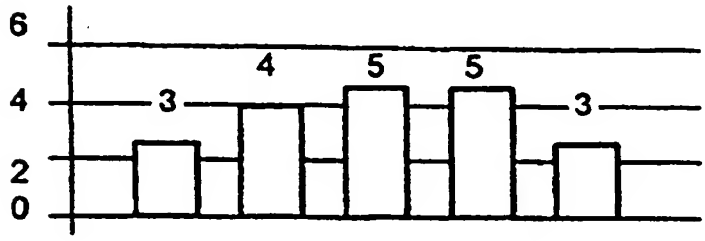


Fig. 4d

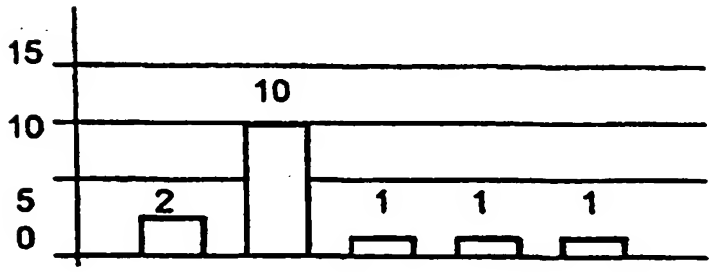


Fig. 4e

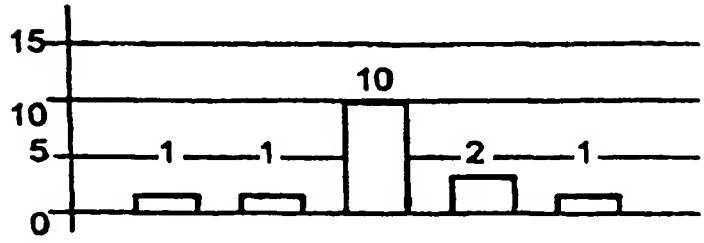


Fig. 5

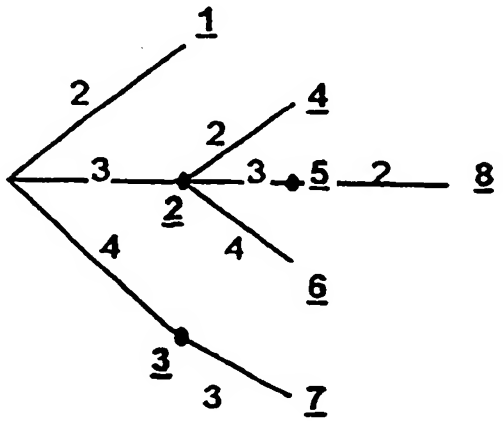


Fig. 6

Symbol sequence	Codeword
2	1
3	2
4	3
32	4
33	5
34	6
43	7
332	8

Fig. 7

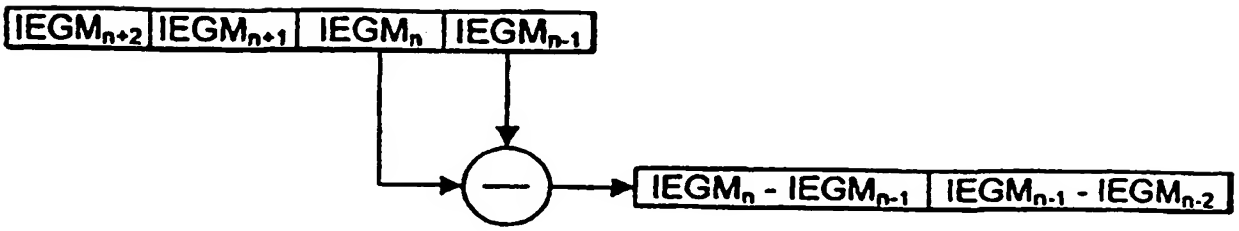
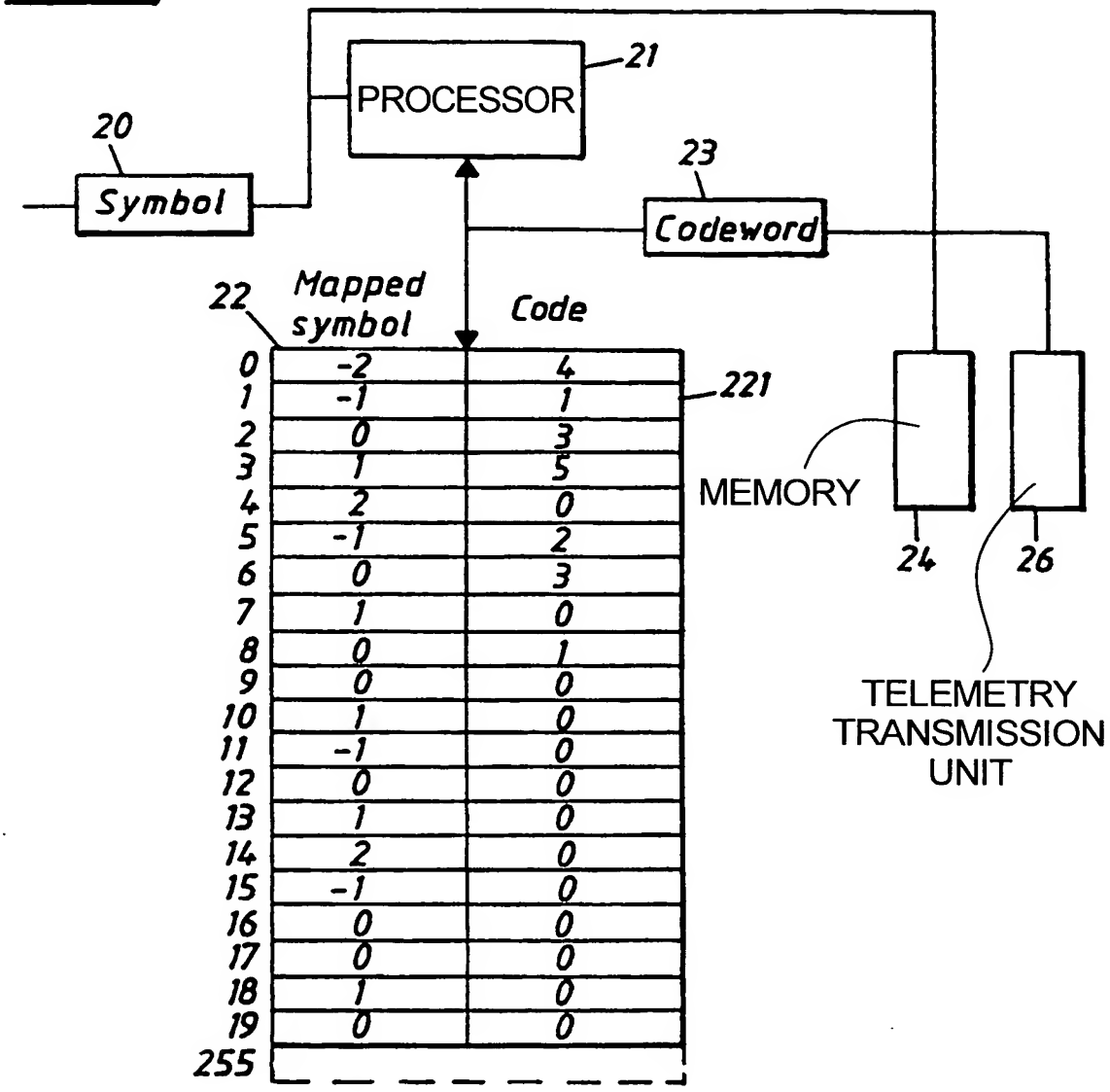


Fig. 8



	Mapped symbol	Code
0	-2	4
1	-1	1
2	0	3
3	1	5
4	2	0
5	-1	2
6	0	3
7	1	0
8	0	1
9	0	0
10	1	0
11	-1	0
12	0	0
13	1	0
14	2	0
15	-1	0
16	0	0
17	0	0
18	1	0
19	0	0
255		

Fig. 9

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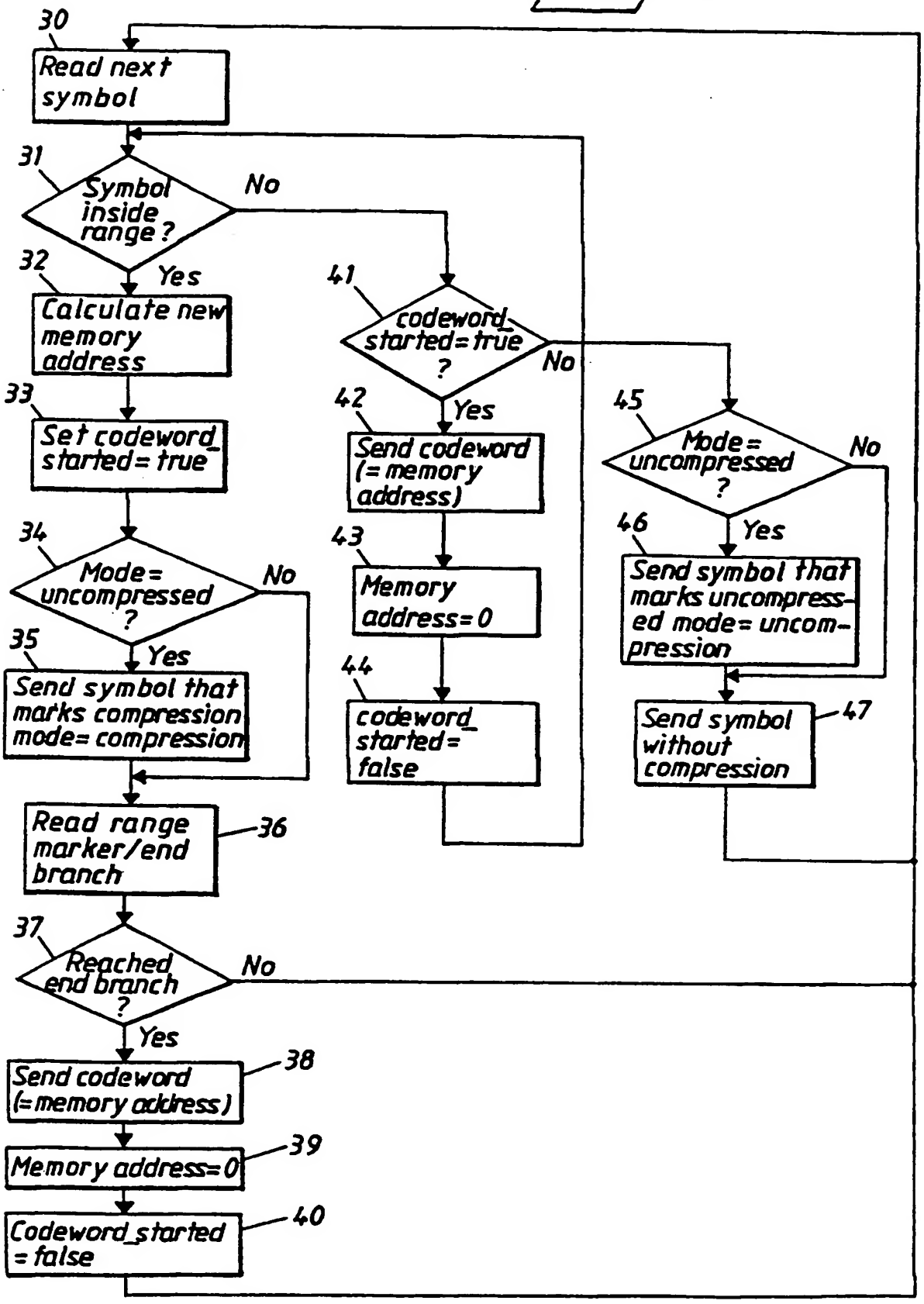
Code No.	Possible branches	No. of branches
0	End	0
1	0	1
2	-1, 0	2
3	0, 1	2
4	-1,0,1	3
5	-1,0,1,2	4
6	-2,-1,0,1	4
7	-2,-1,0,1,2	5

Fig. 10


30
Read next symbol
31
Symbol inside range ?
No
Yes
32
Calculate new memory address
33
Set codeword_started = true
34
Mode = uncompressed ?
No
Yes
35
Send symbol that marks compression mode = compression
36
Read range marker/end branch
37
Reached end branch ?
No
Yes
38
Send codeword (= memory address)
39
Memory address = 0
40
Codeword_started = false
41
codeword_started = true ?
No
Yes
42
Send codeword (= memory address)
43
Memory address = 0
44
codeword_started = false
45
Mode = uncompressed ?
No
Yes
46
Send symbol that marks uncompressed mode = uncompression
47
Send symbol without compression

Inventor - John Lidman
Shut 6 of 6 - 10/079701
CN 9424 - GAU-2624

Fig. 11a

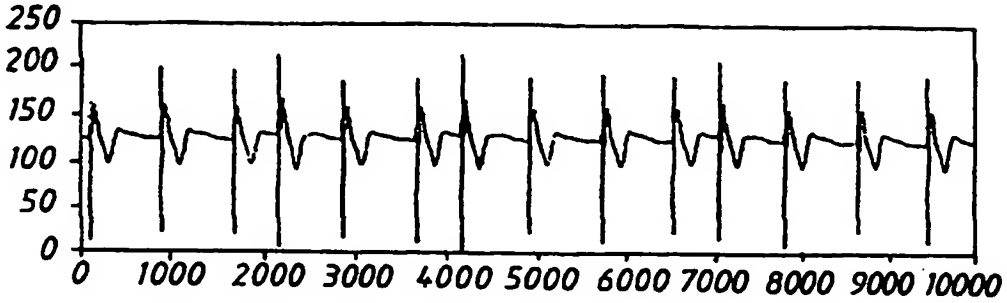


Fig. 11b

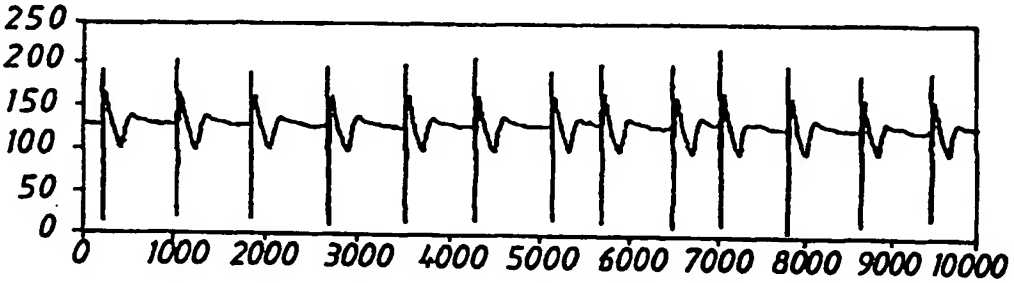


Fig. 11c

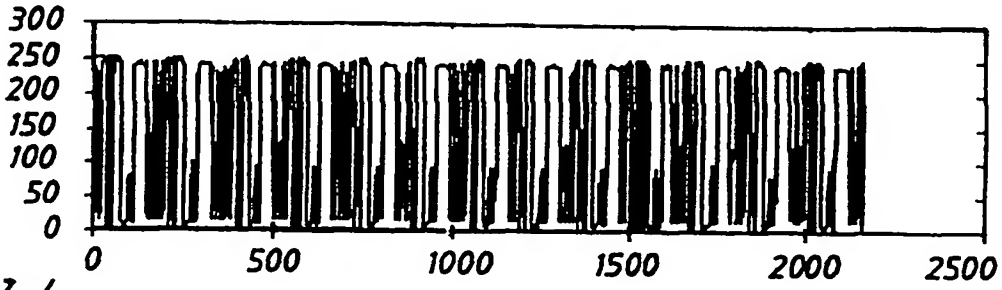


Fig. 11d

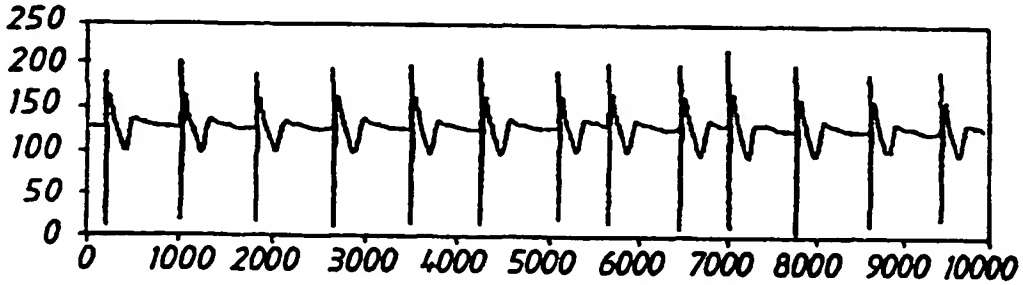
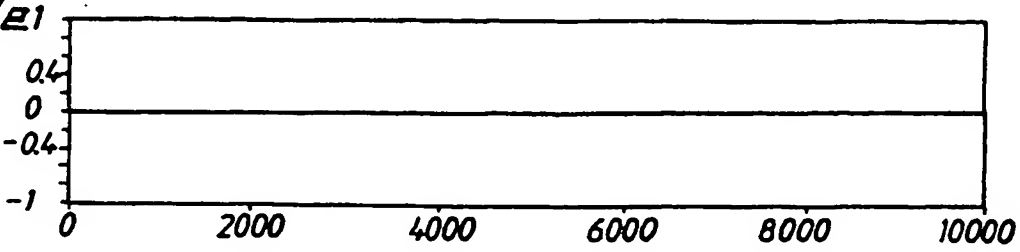



Fig. 11e1